

Abstract of the Disclosure

A testing system includes simulation equipment for generating a radiofrequency test signal for the receivers of a base transceiver station, which is equipped with an intelligent array antenna having N sensors. The simulation equipment generates a complex signal consisting of N identical radiofrequency signals with differing phases. These signals are conveyed towards N antenna input connectors of the receivers to be tested. The N test signals are obtained by generating as many groups of N digital isofrequential carriers as are required to simulate the directions of a useful signal with an arbitrary number of echoes, and the directions of an arbitrary number of isofrequential interferent carriers. The N carriers of each group are appropriately modulated and digitally multiplied by the same number of relevant beamforming coefficients to produce, within each group, gradually increasing phase values.